

EX03-065C-US patentin.txt
SEQUENCE LISTING

10/528168

<110> EXELIXIS, INC.
<120> FLJ20647s AS MODIFIERS OF THE p21 PATHWAY AND METHODS OF USE
<130> EX03-065C-US
<150> US 60/411,010
<151> 2002-09-16
<160> 4
<170> PatentIn version 3.2
<210> 1
<211> 1245
<212> DNA
<213> Homo sapiens
<400> 1
ggcacgaggc aggcgctgac gaggagcccg gctgagggag gatgcgccgc tgacgcctgc 60
gggagccgcg cgcctggggc gggaggatgc tccagagggg cctctggccg tggcgcacgc 120
ggctgctgcc gaccctggc acctggcgcc cagcgcgcc gtggccgctg ccgcctccgc 180
cccaggtttt gcgtgtgaag ctgtgtggaa atgtgaaata ctaccagtca caccattata 240
gtaccgtggt gccacctgat gaaataacag ttatttatag acatggcctt cccttggtta 300
cacttacctt gccatctaga aaagaacgtt gtcaattcgt agtcaaacca atgttgtcaa 360
cagttggttc attccttcag gacctacaaa atgaagataa gggatatcaa actgcagcca 420
tcttcacagc agatggcaac atgatttcag cttctacctt gatggatatt ttgctaatga 480
atgattttaa acttgctcatt aataaaatag catatgatgt gcagtgtcca aagagagaaa 540
aaccaagtaa tgagcacact gctgagatgg aacacatgaa atccttggtt cacagactat 600
ttacaatctt gcatttagaa gagtctcaga aaaagagaga gcaccattta ctggagaaaa 660
ttgaccacct gaaggaacag ctgcagcccc ttgaacaggt gaaagctgga atagaagctc 720
attcggaagc caaaaccagt ggactcctgt gggctggatt ggcactgctg tccattcagg 780
gtggggcact ggcctggctc acgtgggtggg tgtactcctg ggatatcatg gagccagtta 840
catacttcat cacatttgca aattctatgg tcttttttgc atactttata gtcactcgac 900
aggattatac ttactcagct gttaagagta ggcaatttct tcagttcttc cacaagaaat 960
caaagcaaca gcactttgat gtgcagcaat acaacaagtt aaaagaagac cttgctaagg 1020
ctaaagaatc cctgaaacag gcgcgtcatt ctctctgttt gcaaagcaa gtagaagaac 1080
tcaatgaaaa gaattaatct tacagtttta aatgtcgtca gattttccat tatgtattga 1140
ttttgcaact taggatgttt ttgagtccca tggttcattt tgattgttta atctttgtta 1200
ttaaattctt gtaaaacaga aaaaaaaaaa aaaaaaaaaa aaaaa 1245

EX03-065C-US patentin.txt

<210> 2
 <211> 2929
 <212> DNA
 <213> Homo sapiens

<400> 2
 gagatggcgg ccgccgcagg tagatcgctc ctgctgctcc tctcctctcg gggcggcggc 60
 ggcgggggcg ccggcggtg cggggcgctg actgccggct gcttccctgg gctgggcgtc 120
 agccgccacc ggcagcagca gcaccaccgg acggtacacc agaggatcgc ttcctggcag 180
 aatttgggag ctgtttattg cagcactgtt gtgccctctg atgatgttac agtggtttat 240
 caaaatgggt tacctgtgat atctgtgagg ctaccatccc ggcgtgaacg ctgtcagttc 300
 aactcaagc ctatctctga ctctgttggt gtatttttac gacaactgca agaagaggat 360
 cggggaattg acagagttgc tatctattca ccagatgggtg ttcgcgttgct tgcttcaaca 420
 ggaatagacc tcctcctcct tgatgacttt aagctgggtca ttaatgactt aacataccac 480
 gtacgaccac caaaaagaga cctcttaagt catgaaaatg cagcaacgct gaatgatgta 540
 aagacattgg tccagcaact atacaccaca ctgtgcattg agcagcacca gttaaacaag 600
 gaaagggagc ttattgaaag actagaggat ctcaaagagc agctggctcc cctggaaaag 660
 gtacgaattg agattagcag aaaagctgag aagaggacca ctttgggtgct atgggggtggc 720
 cttgcctaca tggccacaca gtttggcatt ttggcccggc ttacctggtg ggaatattcc 780
 tgggacatca tggagccagt aacatacttc atcacttatg gaagtgccat ggcaatgtat 840
 gcatattttg taatgacacg ccaggaatat gtttatccag aagccagaga cagacaatac 900
 ttactatttt tccataaagg agccaaaaag tcacgttttg acctagagaa atacaatcaa 960
 ctcaaggatg caattgctca ggcagaaatg gaccttaaga gactgagaga cccattacaa 1020
 gtacatctgc ctctccgaca aattggtgaa aaagattgat ctgcaaaaag cctctgaatc 1080
 ctggcagaag gaacacctgt ttgccttttt aattaaagca ttgcaggtgg aagctgggag 1140
 ccatgtgggg ggtagagcgt ttttaccttt aattataaaa caaaaacaga aaggatctga 1200
 ggggaagaagg gaatgttaaa acctgaggat caggcattgt ggaatataag ctcaaagggc 1260
 ttagtgaata ttgtcttaac caagtatctc agtttctgga tgaaaatgat gcagttatat 1320
 agttgagaga ttcataaaga gaaaacaatg ctgggggtgt tcgtttcttg catcttcttt 1380
 gcagagtcag caaaagagta acacaccagc accccactcg actctatttg tttttaattt 1440
 aactgtccct atttttgaca taggagtaaa taaatatact agaaaagcaa attctcatga 1500
 tatgctaaaa tatcattagc atttatttta aattggaccc agtctctgca gagttaccag 1560
 gaatctttcc ttccagcatc cttttactga ccacctacct gtacctcttg gttacactca 1620
 ttttttccat ttgataattg gaaccaactt ataactgttt aataattgac acttttagatt 1680

EX03-065C-US patentin.txt

atctcttaat accttcttaa atgtctatat atcccagtgC tctggatcag tgtctaaaaa 1740
 tCactggcaa cactgcatga ggttggttggT tttgttttgt tttattaatt agtctttcac 1800
 aggaggaata attgccctcc tttatatact tatctattga taatccccctc tccctccaga 1860
 acacaaatca gagggaaagg ggggtgttcag ctgtactacc aaatcaggaa gatgtaaggT 1920
 ttacaaattg gctaagaatc atggctctgt agccatttca accagaataa ttttattgct 1980
 aatctgcttt gtgtgacagc attccaggcc agccagatgg gactgccttg tctggaggct 2040
 ttgttcatct cgaaggacac acacttccac actgtttgtg agccctccca cctccacaac 2100
 ttcagttgta aatcaagtgt gtggatctca aagggtgcaa tttatcttta tataggaata 2160
 catttctagg gcttccttca agcccactct cttcacccta ttttttctta tcttaaattg 2220
 agagaaagag aattaatctt atactttgtc aaaacatttt ctaccatatt tccagatgac 2280
 atctgCgctt gaagagtcaa aggaatctgt gtctaataatc ctgttttttaa ctgctgtagg 2340
 ggcaggatgg aaaggatgat gggggctgcc acaccactga ttggcctttt ctttcacgtg 2400
 attcatcctt cctcattgtg gcaaggagtt tctttctctt tttcttcctc ctttgggatc 2460
 attgtgtatg aaaagaaaaa ctttaaataa caaaccaga ctccagggtgc cttgcaaagg 2520
 ttgaaggcca gccaggattg ctgctgtctgC tgctactcct gccaacaccc ctttcattgg 2580
 catgacggaa tgaaaggatg catgtctcca cttcctgacc ctccgcccac ttccttctcc 2640
 ctccaccacc cccagtcgtc agctccttcc ctcatattatt tttgttaagt tgtgtgaatt 2700
 atttttaacc catttatcct gtttgtgcat aggggttttta agaagaaaca gcacagtgca 2760
 acgagcaaat ctttttgggg tgtgtgggaa gcaagggagg gaggacatgg agaaaagttc 2820
 tttaaacaaa tagcaaaacta ttgaacatgt gtaaaatcct gtatcattta tgaaatatgt 2880
 ataaaaagca atgtaccttc tggaacaata aatacttatt caatttttg 2929

<210> 3
 <211> 248
 <212> PRT
 <213> Homo sapiens

<400> 3

Met Leu Ser Thr Val Gly Ser Phe Leu Gln Asp Leu Gln Asn Glu Asp
 1 5 10 15

Lys Gly Ile Lys Thr Ala Ala Ile Phe Thr Ala Asp Gly Asn Met Ile
 20 25 30

Ser Ala Ser Thr Leu Met Asp Ile Leu Leu Met Asn Asp Phe Lys Leu
 35 40 45

Val Ile Asn Lys Ile Ala Tyr Asp Val Gln Cys Pro Lys Arg Glu Lys
 Page 3

50

55

Pro Ser Asn Glu His Thr Ala Glu Met Glu His Met Lys Ser Leu Val
65 70 75 80

His Arg Leu Phe Thr Ile Leu His Leu Glu Glu Ser Gln Lys Lys Arg
85 90 95

Glu His His Leu Leu Glu Lys Ile Asp His Leu Lys Glu Gln Leu Gln
100 105 110

Pro Leu Glu Gln Val Lys Ala Gly Ile Glu Ala His Ser Glu Ala Lys
115 120 125

Thr Ser Gly Leu Leu Trp Ala Gly Leu Ala Leu Leu Ser Ile Gln Gly
130 135 140

Gly Ala Leu Ala Trp Leu Thr Trp Trp Val Tyr Ser Trp Asp Ile Met
145 150 155 160

Glu Pro Val Thr Tyr Phe Ile Thr Phe Ala Asn Ser Met Val Phe Phe
165 170 175

Ala Tyr Phe Ile Val Thr Arg Gln Asp Tyr Thr Tyr Ser Ala Val Lys
180 185 190

Ser Arg Gln Phe Leu Gln Phe Phe His Lys Lys Ser Lys Gln Gln His
195 200 205

Phe Asp Val Gln Gln Tyr Asn Lys Leu Lys Glu Asp Leu Ala Lys Ala
210 215 220

Lys Glu Ser Leu Lys Gln Ala Arg His Ser Leu Cys Leu Gln Met Gln
225 230 235 240

Val Glu Glu Leu Asn Glu Lys Asn
245

<210> 4
<211> 351
<212> PRT
<213> Homo sapiens

<400> 4

Met Ala Ala Ala Ala Gly Arg Ser Leu Leu Leu Leu Ser Ser Arg
1 5 10 15

Gly Gly Gly Gly Gly Gly Ala Gly Gly Cys Gly Ala Leu Thr Ala Gly
Page 4

Cys Phe Pro Gly Leu Gly Val Ser Arg His Arg Gln Gln Gln His His
35 40 45

Arg Thr Val His Gln Arg Ile Ala Ser Trp Gln Asn Leu Gly Ala Val
50 55 60

Tyr Cys Ser Thr Val Val Pro Ser Asp Asp Val Thr Val Val Tyr Gln
65 70 75 80

Asn Gly Leu Pro Val Ile Ser Val Arg Leu Pro Ser Arg Arg Glu Arg
85 90 95

Cys Gln Phe Thr Leu Lys Pro Ile Ser Asp Ser Val Gly Val Phe Leu
100 105 110

Arg Gln Leu Gln Glu Glu Asp Arg Gly Ile Asp Arg Val Ala Ile Tyr
115 120 125

Ser Pro Asp Gly Val Arg Val Ala Ala Ser Thr Gly Ile Asp Leu Leu
130 135 140

Leu Leu Asp Asp Phe Lys Leu Val Ile Asn Asp Leu Thr Tyr His Val
145 150 155 160

Arg Pro Pro Lys Arg Asp Leu Leu Ser His Glu Asn Ala Ala Thr Leu
165 170 175

Asn Asp Val Lys Thr Leu Val Gln Gln Leu Tyr Thr Thr Leu Cys Ile
180 185 190

Glu Gln His Gln Leu Asn Lys Glu Arg Glu Leu Ile Glu Arg Leu Glu
195 200 205

Asp Leu Lys Glu Gln Leu Ala Pro Leu Glu Lys Val Arg Ile Glu Ile
210 215 220

Ser Arg Lys Ala Glu Lys Arg Thr Thr Leu Val Leu Trp Gly Gly Leu
225 230 235 240

Ala Tyr Met Ala Thr Gln Phe Gly Ile Leu Ala Arg Leu Thr Trp Trp
245 250 255

Glu Tyr Ser Trp Asp Ile Met Glu Pro Val Thr Tyr Phe Ile Thr Tyr
260 265 270

Gly Ser Ala Met Ala Met Tyr Ala Tyr Phe Val Met Thr Arg Gln Glu
275 280 285

Tyr Val Tyr Pro Glu Ala Arg Asp Arg Gln Tyr Leu Leu Phe Phe His
290 295 300

Lys Gly Ala Lys Lys Ser Arg Phe Asp Leu Glu Lys Tyr Asn Gln Leu
305 310 315 320

Lys Asp Ala Ile Ala Gln Ala Glu Met Asp Leu Lys Arg Leu Arg Asp
325 330 335

Pro Leu Gln Val His Leu Pro Leu Arg Gln Ile Gly Glu Lys Asp
340 345 350